

Final

Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
740 Stevens Center, Room 1200, Richland, Washington
February 23, 1993

FROM/APPROVAL: Eric D. Goller Date 3/23/93
Eric D. Goller, 100 Area Unit Manager, RL (A5-19)

APPROVAL: [Signature] Date 3/23/93
Jack W. Donnelly, 100 Aggregate Area Unit Manager, WA Department of Ecology

APPROVAL: [Signature] Date 3-23-93
Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

Meeting Minutes are attached. Minutes are comprised of the following:

- Attachment #1 - Meeting Summary
 - Attachment #2 - Attendance Sheet
 - Attachment #3 - Agenda
 - Attachment #4 - Action Item Status List
 - Attachment #5 - 100 Area Operable Units
 - Attachment #6 - Status of the 100 Area Feasibility Study Report, DOE/RL-92-11, Draft A
 - Attachment #7 - Agreement Activity Notification
 - Attachment #8 - 100 NPL Agreement/Change Control Form #38
 - Attachment #9 - 100 NPL Agreement/Change Control Form #42
 - Attachment #10 - 100 NPL Agreement/Change Control Form #43
 - Attachment #11 - DSI, Unvalidated Data from 100-KR-4 OU LFI Activities
 - Attachment #12 - 100 Area Status
 - Attachment #13 - 100-Area Treatability Tests Draft Schedule
-

Prepared by: Suzanne Clarke Date: 5/24/93
Suzanne Clarke, Kay Kimmel, GSSC (A4-35)

Concurrence by: [Signature] Date: 3-24-93
Bob Henckel, WHC Coordinator (H6-02)



**Attachment #1
Meeting and Summary of Commitments and Agreements**

**Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
February 23, 1993**

1. SIGNING OF THE JANUARY 100 AREA UNIT MANAGER'S MEETING MINUTES - Minutes were reviewed and approved with changes.

2. ACTION ITEM UPDATE: (See Attachment 4 for complete status, items listed below indicate the update to Action Items made during the meeting):

1AAMS.9 No new information.

1AAMS.15 No new information.

1AAMS.16 No new information.

3. NEW ACTION ITEMS: No new action items were initiated this month.

4. 100 AREA ACTIVITIES:

- **100 Area Feasibility Study Report:**
 - Status of comment resolution (see attachment #6).
 - Eric Goller requested early response on DOE/RL dispositions to Regulator comments, especially with respect to the subject of ARARs. A meeting is tentatively planned for early March.
 - Minutes for the February 18, 1993 scoping meeting will be provided for Regulator approval by February 26 (see attachment #6).
- **Treatability Study Test Procedures** - shall be reviewed and approved by DOE-RL. An informational copy of the test procedures will be provided to the Regulatory agencies. Test activities will be initiated after the test procedures have been approved by DOE-RL. The test procedures do not require Regulatory approval but any Regulatory comments will be considered.
- **Agreement Activity Notification and 100 NPL Agreement/Change Control Forms concerning Soil Washing Test Plan** are attached (see attachments 7, 8, 9, & 10):
 - #38 - 100 Area Soil Washing Treatability Test Plan - disposition of regulator comments.
 - #42 - 100 Area Test Pit Sampling for Soil Washing Bench-scale Test; DOW.
 - #43 - 100 Area Soil washing Treatability Test Plan.
- **Excavation Treatability Test Plan for 100-DR-1** will be distributed the first week of March. It was proposed that general discussions be held on Friday, March 12, at 8:00 am. It was also suggested that the document be dispositioned at the March UMM.

5. FIELD ACTIVITIES: According to the agreement reached in the General Topics UMM, no formal presentation of the status of 100 Area activities was made; instead, attachments #5 and #13 were distributed. The Regulators were given an opportunity to obtain clarification of items of interest. The purpose was to move to early discussion of more substantive issues.

- Groundwater: The comments for the 100-HR-3 Groundwater Treatability Test Plan were resolved with a meeting on February 10th. The only outstanding item is the ARARs table (which is still out for review).
- Qualitative Risk Assessments: QRAs require review by DOE/HQ prior to distribution to the Regulators. This review will impact RL's ability to distribute the QRAs before the RI/FS (i.e., LFI) report. It was suggested that the UMMs could be utilized as a mechanism to provide the regulators with summaries of the approach and preliminary tables of results as soon as this information can be made available, this would include: Scenarios, Contaminants of Concern, Summary of Methodology, and Preliminary Results.
- 100-Area Data: Jeff Phillips asked how the 100-Area data is prioritized with respect to changing the qualifiers of validated data so that it becomes available to the Regulators.
- Informal Transmittals: Unvalidated data from the 100-KR-4 OU monitoring well installation were delivered to the Regulators. See attachment #11 for the cover letter (DSI).
 - Dennis Faulk requested that a DSI be attached to each informal transmittal describing the general purpose and content of the attachment.
- Dennis Faulk requested that no intrusive field work be accomplished in the BC Area without the concurrence of EPA. A meeting is scheduled for Monday afternoon, March 1, 1993, to discuss this issue further.
- 100-HR-2 Work Plan: Eric Goller requested that the 100-HR-2 Work Plan Scoping Meeting Minutes be signed at this UMM. Ecology and EPA are meeting to discuss issues involved with this work plan; therefore, they will review and revise/sign the minutes at a later date. Beginning 02/24/93, the Regulators should expect that RL will request a delay in the June 30, 1993 Milestone for transmittal of this work plan equivalent to the days elapsed between 2-23-93 and an approved work scope for 100-HR-2.
- N-Reactor Shut-Down/Tour of Facilities: A date will be established for a tour of the facilities.
- M-30-05 Milestone (See attachment #12); It was noted that the purpose of the M-30-05 Milestone requires discussion/redefinition in order to meet the September deadline.

**100 Aggregate Area Unit Manager's Meeting
Official Attendance Record
February 23, 1993**

Please print clearly and use black ink

PRINTED NAME	SIGNATURE	ORGANIZATION	O.U. ROLE	TELEPHONE
KAY KIMMEL	Kay Kimmel	DANES & MOORE GSSC TO RL	GSSC TO RL	376-1985
Suzanne CLARK	Suzanne Clark	DANES & MOORE	GSSC TO RL	376-8189
Pam Beaver	Pam Beaver	EPA	Unit Mgr	6-8865
Jeff Phillips	Jeff Phillips	Ecology	Unit Mgr.	736-3011
Dib Goenawan	Dib Goenawan	Ecology	UM	736-3015
Dennis Faulk	Dennis Faulk	EPA	UM	376-8631
ROBERT HENCKEL	RP Henckel	WHC	100 Area	376-2091
Larry Gadbois	LE Gadbois	EPA	UM	376-9884
Ted Woolley	T Woolley	Ecology	UM	376-3012
Roberta Day	Roberta Day	WHC	100 Areas	376-7602
Pamela Innis	Pamela Innis	EPA	UM	376-4919
Eric Goller	Eric Goller	RL	100 Area UM	376-7326
Mark Dannelly	Mark Dannelly	Ecology	100 Area UM	736-3013
A. De Krug	A. De Krug	WHC	100 Area	376-5634
N.M. Naiknimbalkar	Mr. Naiknimbalkar	WHC	100 DR/KR-1	376-8739
S. G. Weiss	S. G. Weiss	WHC	100 Aggregate and Studies	376-1683
R. W. SCHUCK	R. W. Schuck	DANES & MOORE	GSSC	946-0196
K.O. Kytola	K. O. Kytola	WHC	100-801 100-802	372-1662
Andree De Angelos	A. De Angelos	PRC	EPA Support +	306-624-2692
JOAN WOOLARD	Joan Woolard	WHC	100 Area Treatability	376-2539
Jeff Kellan	Jeff Kellan	US Public Health Service ATSDR	obs. rev	404 639-6036
Tom JONES	Tom Jones	PNL	Program man.	375-2710
Linda Bergmann	Linda Bergmann	WHC	100 Area Treat.	6-4869
Jim Field	Jim Field	WHC	100 Area Treat.	6-3753
Bob Peterson (RE)	Bob Peterson	WHC	100 Area Coordinator	6-5858

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**Attachment #3
Agenda**

**Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
February 23, 1993**

100 Area General Discussions

100-DR-1, 100-HR-1, 100-NR-1 OU's - Naiknimbalkar/Ayres/Krug

- Activity Status
- General Discussions

100-HR-3, 100-NR-2 - Steve Vukelich

- Activity Status
- General Discussions

100-BC-5, 100-KR-4, 100-FR-3 OU's - Jim Roberts

- Activity Status
- General Discussions

100-BC-1, 100-KR-1, 100-FR-1 OU's- Kytola/Naiknimbalkar/Ayres

- Activity Status
- General Discussions

- Discussion M-3005 - Bob Henckel/Steve Vukelich
- Action Item Status - All

**Attachment #4
Action Item Status List**

**Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
February 23, 1993**

ITEM NO.	ACTION	STATUS
1AAMS.9	DOE shall send a letter to Ecology, suggested from S. H. Wisness to D. Jansen with a cc. to EPA, explaining what is included in the ER Program for the N Reactor Area and how the multiple programs will be handled organizationally. Action to J. D. Goodenough (2/27/92). Action: E. D. Goller (5/27/92).	Open. Related to the N Areas Issues Papers. No answer 7/29/92. No additional information (8/26/92). On General Topics Agenda for October (9/23/92). No new information (11/18/92). No new information (2-23-93).
1AAMS.15	Provide response to April 2 EPA letter concerning river seeps. Action: Eric Goller (RL) 7/29/92.	Open (7/29/92). In DOE for transmittal (8/26/92). No additional information (11/18/92). No new info. (2-23-93).
1AAMS.16	DOE should transmit Revision 1 of M-30-01.	Open (7/29/92). In DOE for transmittal (8/26/92). No additional information (11/18/92). No new info. (2-23-93)

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UNIT MANAGER'S MEETING

100 AREA OPERABLE UNITS

FEBRUARY 23, 1993

930319021103

OU MANAGERS MEETING - FEB 93

100-HR-1

- Validated sample data for the 100-HR-1 Vaseose Drilling, 1607-H-2 Septic, and the electrical facilities were received on 16 Feb 93 on due Jan 31, 1993. The data is being transmitted to Document Control for release.

100-FR-1

- Vadose drilling to commence on 25 Jan 93.
 - 116-F-6 : Completed
 - 116-F-2 : Completed
 - 116-F-1A : Completed
 - 116-F-9C : Completed
- 116-F-4 : Started 17 Feb 93
- 116-F-14 : Scheduled to start on 23 Feb 93

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100-HR-1 OPERABLE UNIT

LIMITED FIELD INVESTIGATION

Task 2-Source Investigation

Field Activities

Analysis and Validation

Data Evaluation

Task 5-Vadose Investigation

Field Activities

Data Validation

Data Evaluation

Task 10-Data Evaluation

Task 11-Qualitative RA

Task 13-LFI Report

Report Preparation

WHC Review & Incorporation

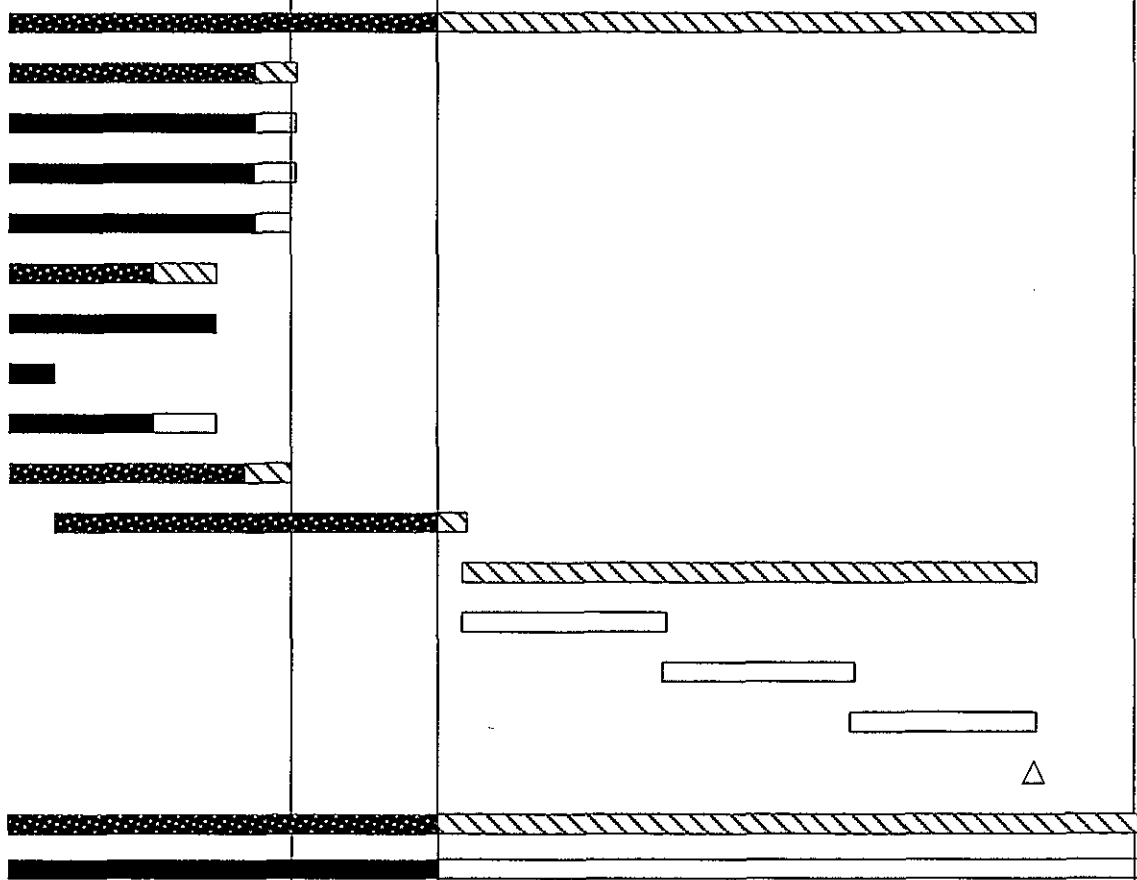
DOE Review & Incorporation

LFI Report to Regulators

FOCUSED FEASIBILITY STUDY

Treatability Study

1992			1993								
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep



Data Date
19 Feb 93

Project: 100-HR-1

DOE-RL 88-35, Rev 0

Date: 17Feb93 10:11

100-HR-1 Operable Unit Work Plan

Page: 1

Drawn by ER Program Control-Scheduling

Summary Progress 

FY 1993 Activities for 100-DR-1
N.M. Naiknimbalkar

February 1993 Status Report

100-DR-1 DATA VALIDATION STATUS

Nonintrusive Data Validation:

The data validation report for nonintrusive site samples is expected to be completed by April 15, 1993.

100-DR-1 QUALITATIVE RISK ASSESSMENT STATUS

Qualitative Risk Assessment

Document Preparation:

SAIC/Golder is preparing this document.

- o Qualitative Risk Assessment Report Due: 03-15-93.

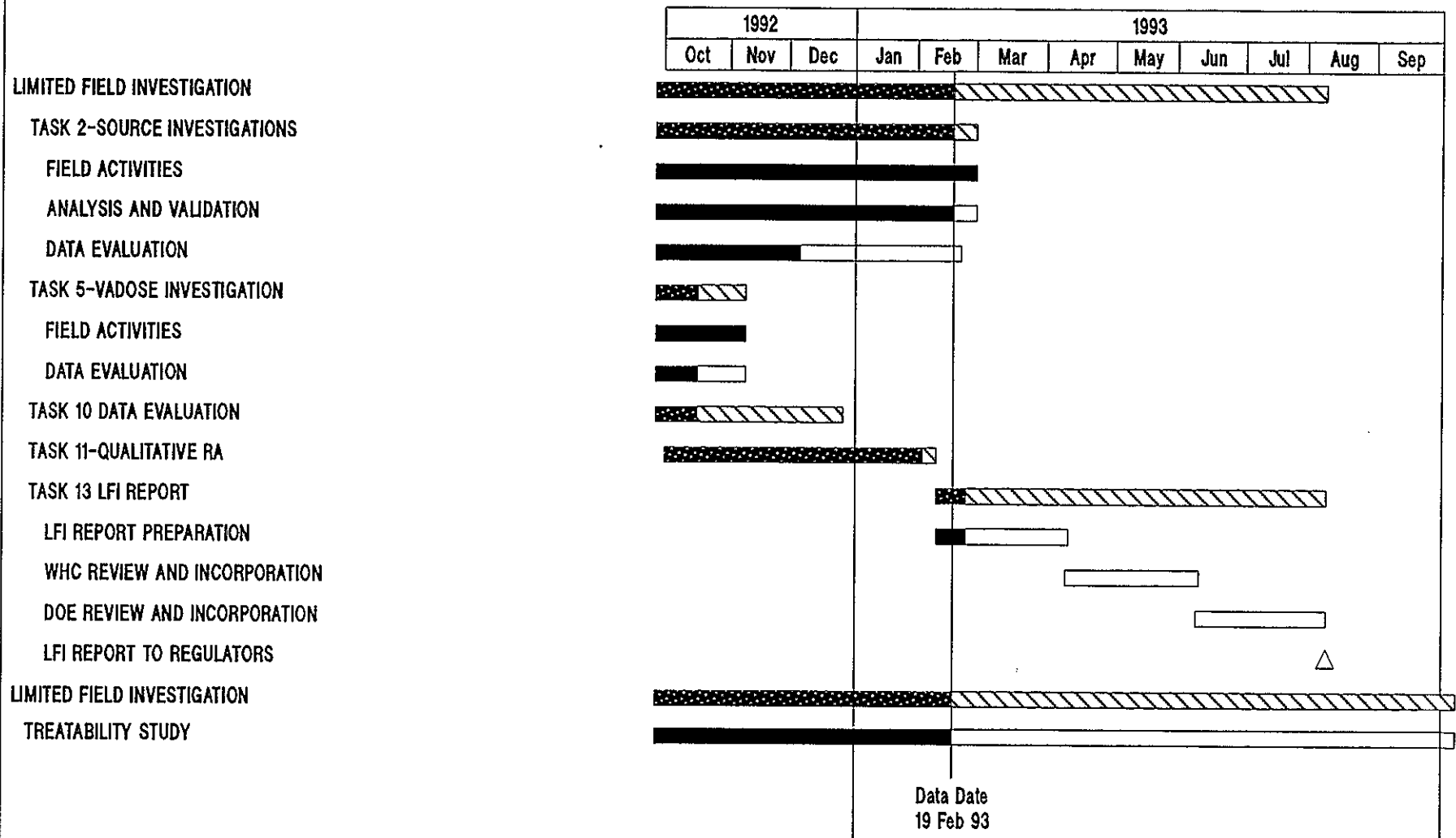
LFI Report


IT is preparing this document.


- o LFI Report Due: 08-09-93.

6
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100-DR-1 OPERABLE UNIT



Summary 

Progress 

Project: 100-DR-1 DOE-RL 89-09, Rev 0 Date: 17Feb93 11:26

100-DR-1 Operable Unit Work Plan

Page: 1

Drawn by ER Program Control-Scheduling

100-NR-1 Operable Unit
Activity Summary
February 23, 1993

Task 2 - Surface Sampling

Surface Samples - 1322-N/NA: 3 samples
116-N-1: 3 Samples
DOW in review
Sampling scheduled for mid-March

8
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7
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100-NR-1 OPERABLE UNIT

LIMITED FIELD INVESTIGATION

Task 2- Source Investigation

Data Compilation

Surface Radiation

Soil Gas Survey

Data Evaluation

Task 5-Vadose Investigation

Field Activities

Drilling/Sampling

120-N-2

119-N

1322-N

Settling Pond

166-N

116-N-2

Test Pit 120-N-1

Borehole Abandonment

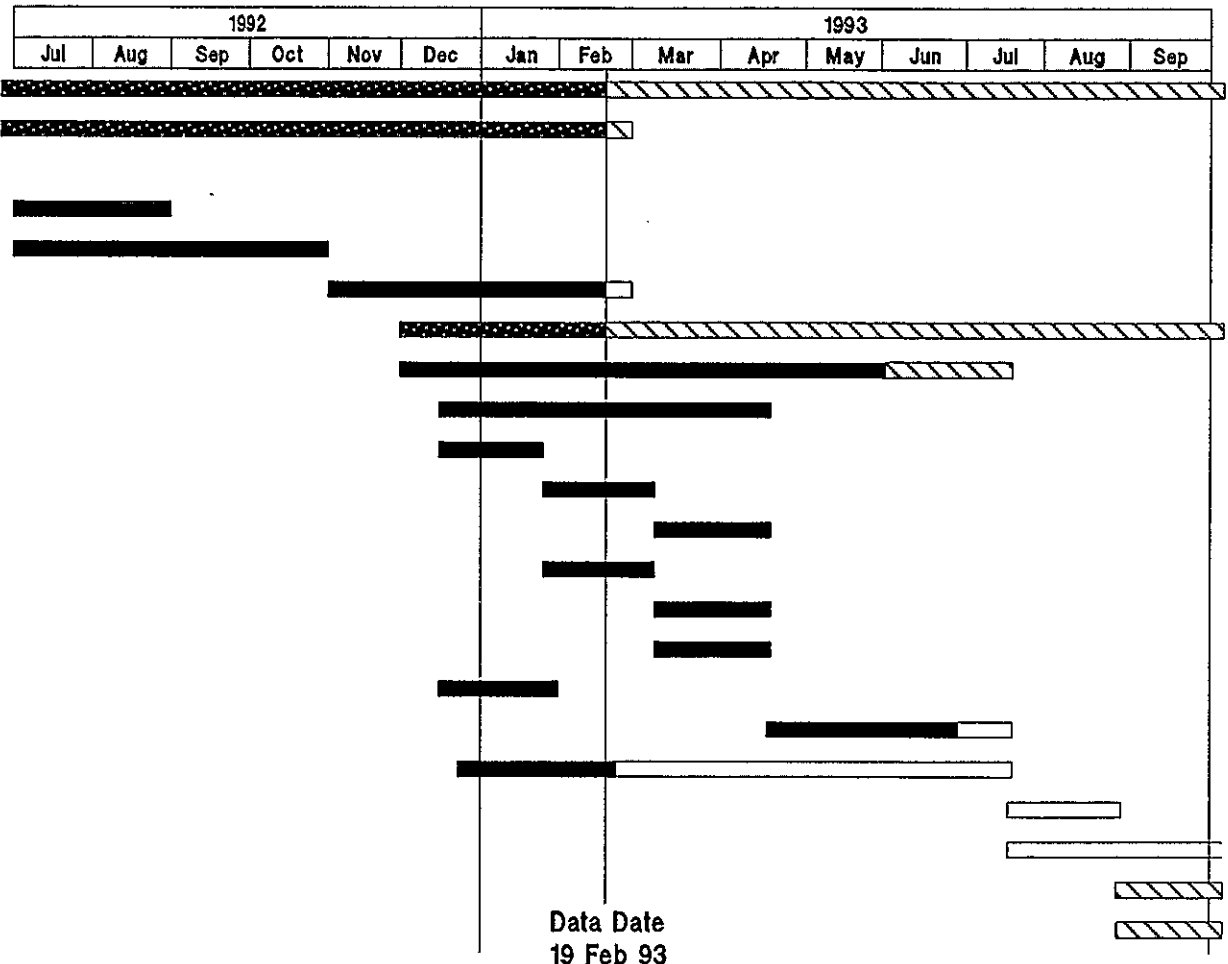
Sample Analysis



Data Validation

Data Evaluation

Task 10-Data Evaluation

Task 11-Qualitative RA

Data Date
19 Feb 93

Summary 
 Progress 

Project: 100-NR-1	DOE-RL	Date: 17Feb93 9:58
100-NR-1 OPERABLE UNIT WORK PLAN		
Page: 1	Drawn by ER Program Control-Scheduling	

**100 HR-3 GROUNDWATER OPERABLE UNIT
WORK SUMMARY 2/19/93**

TASK 3 - GEOLOGIC INVESTIGATION

Data Compilation - WHC released a report titled, "Geologic Information Summary for the Northern Portion of the Hanford Site". A Geologic Map was completed in June, 1992.

TASK 5 - VADOSE INVESTIGATION

Data Complilation - WHC released a report titled, "Hydrologic and Geologic Data Available for the Region North of Gable Mountain".

TASK 6 - GROUNDWATER INVESTIGATION

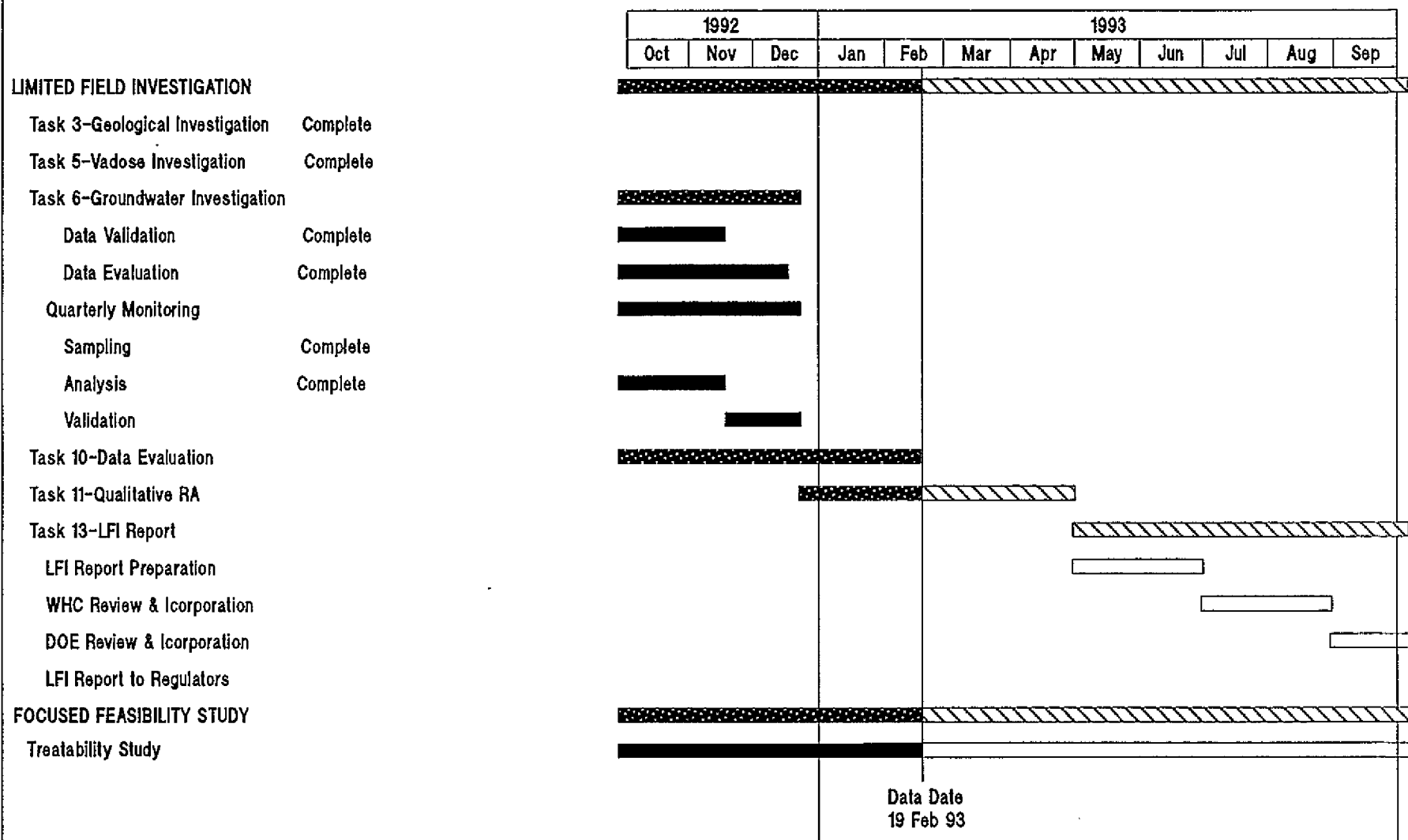
Data Complilation - WHC released a report titled, "Hydrologic Information Summary for the Region North of Gable Mountain" in September, 1992.


Quarterly Monitoring - Three rounds of groundwater samples have been taken.


Data Validation - 100% of the soil and first and second round groundwater data has been validated.

LFI Report - The LFI Report is in progress and is scheduled for release in August.

100-HR-3 OPERABLE UNIT



Summary 

Progress 

Project: 100-HR-3 DOE-RL 88-36, Rev 0 Date: 17Feb93 9:00

100-HR-3 Operable Unit Work Plan

Page: 1 Drawn by ER Program Control-Scheduling

**100 NR-2 GROUNDWATER OPERABLE UNIT
WORK SUMMARY 2/19/93**

TASK 6 - GROUNDWATER INVESTIGATION

Quarterly Monitoring - Two rounds of groundwater samples have been taken.

Data Validation - 100% of the soil data has returned from the laboratories and is in the process of being validated.

9 3 1 2 0 0 0 1 1 9 2

100-NR-2 OPERABLE UNIT

LIMITED FIELD INVESTIGATION

Task 3-Geological Investigation

Data Compilation

Task 5-Vadose Investigation

Data Compilation

Task 6-Groundwater Investigation

Data Compilation

Field Activities

Well Siting

Well Installation

Well N-1

Water Level Measurement

Air Monitoring

Groundwater/Soil Samples

Laboratory Analysis

Data Validation

Data Evaluation

Task 11-Qualitative RA

Task 13-LFI Report

FOCUSED FEASIBILITY STUDY

IRM PROPOSED PLAN

1992						1993								
Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

Data Date
19 Feb 93

Project 100-NR-2	DOE-RL	Date: 17Feb93 8:12
100-NR-2 OPERABLE UNIT WORK PLAN		
Page: 1	Drawn by ER Program Control-Scheduling	

Summary 

Progress 

100-BC-5 STATUS

- 1ST QUARTER (JULY), 2ND QUARTER (OCTOBER), 3RD QUARTER (JANUARY) GROUNDWATER SAMPLING COMPLETE
- SAMPLE VALIDATION REPORTS FOR DRILLING SAMPLE DATA AND 1ST QUARTER GW SUBMITTED DECEMBER 31, 1992
- LFI REPORT ACTIVITIES INITIATED

100-KR-4 STATUS

- 1ST QUARTER (SEPTEMBER), 2ND QUARTER (DECEMBER) GROUNDWATER SAMPLING COMPLETE; THIRD ROUND SCHEDULED FOR MARCH
- SAMPLE VALIDATION REPORT FOR 1ST QUARTER GW DUE MARCH 12, 1993

100-FR-3 STATUS

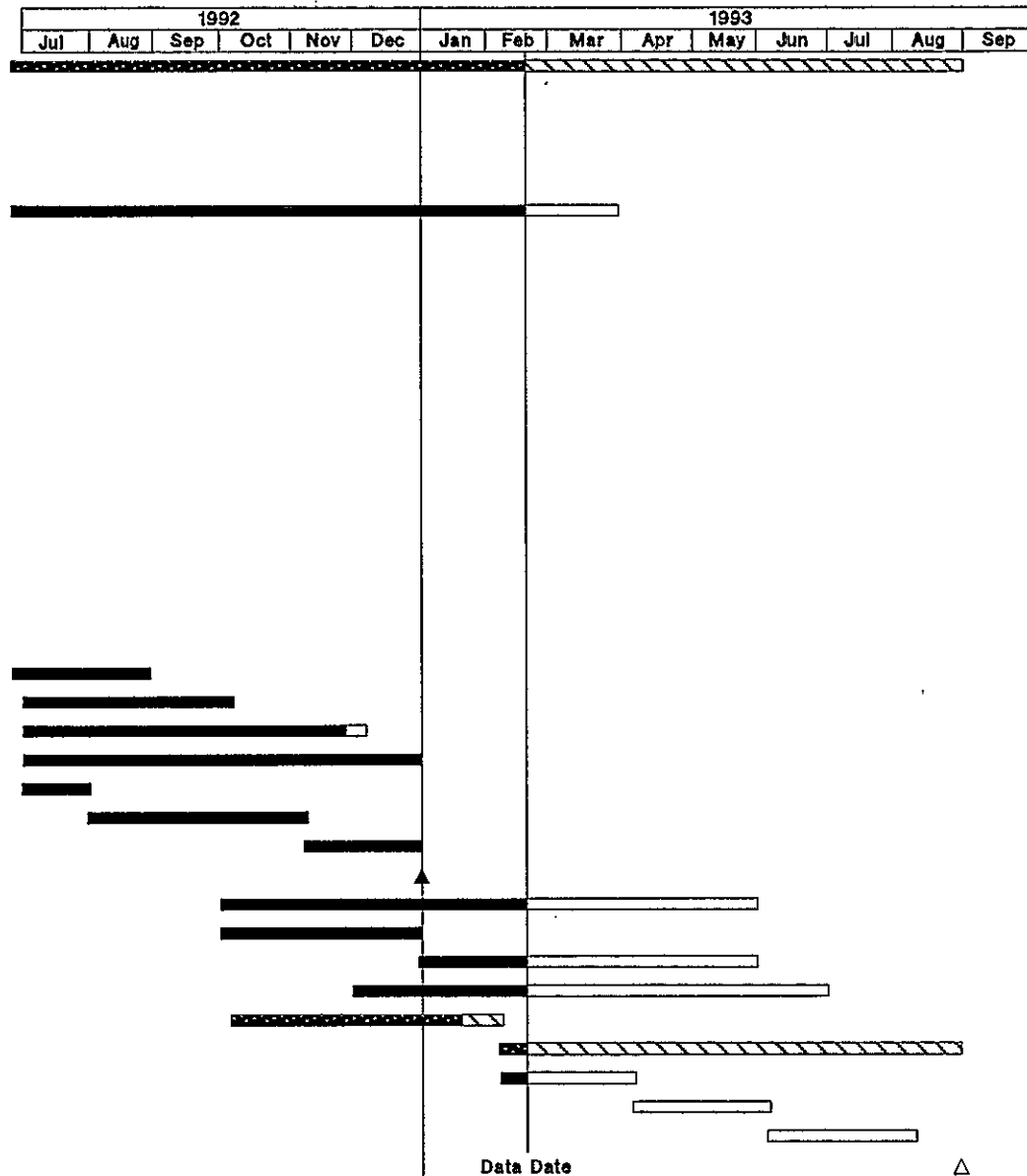
- ALL FY92 DRILLING ACTIVITIES COMPLETE (DECEMBER)
- 1ST QUARTER (DECEMBER) GROUNDWATER SAMPLING COMPLETE; SECOND ROUND SCHEDULED FOR MARCH

100-BC-5 OPERABLE UNIT

LIMITED FIELD INVESTIGATION

Task 3-Geologic Investigation Completed
 Data Compilation Completed
 Task 5-Vadose Investigations Completed
 Data Compilation Completed
 Task 6-Groundwater Investigations
 Data Compilation Completed
 Field Activities Completed
 Evaluate Existing Wells Completed
 Well Installation Completed
 Well BC-1 199-B3-46 Completed
 Well BC-2 199-B3-47 Completed
 Well BC-2A 199-B2-12 Completed
 Well BC-3 199-B2-13 Completed
 Well BC-4 199-B4-8 Completed
 Well BC-5 199-B4-9 Completed
 Well BC-6 199-B9-2 Completed
 Well BC-7 199-B9-3 Completed
 Well BC-8 199-B8-6 Completed
 Well BC-9 199-B5-2 Completed
 Groundwater Soil Samples Completed
 Laboratory Analysis
 Data Validation
 Data Evaluation
 1st Quarterly Monitoring
 Groundwater sampling
 Laboratory Analysis
 Data Validation
 Validated Data to Regulators
 2nd Quarterly Monitoring
 Groundwater Sampling
 Laboratory Analysis
 Data Evaluation
 Task 11-Qualitative RA
 Task 13-LFI Report
 LFI Report Preparation
 WHC Review & Incorporation
 DOE Review & Incorporation
 LFI Report To Regulators

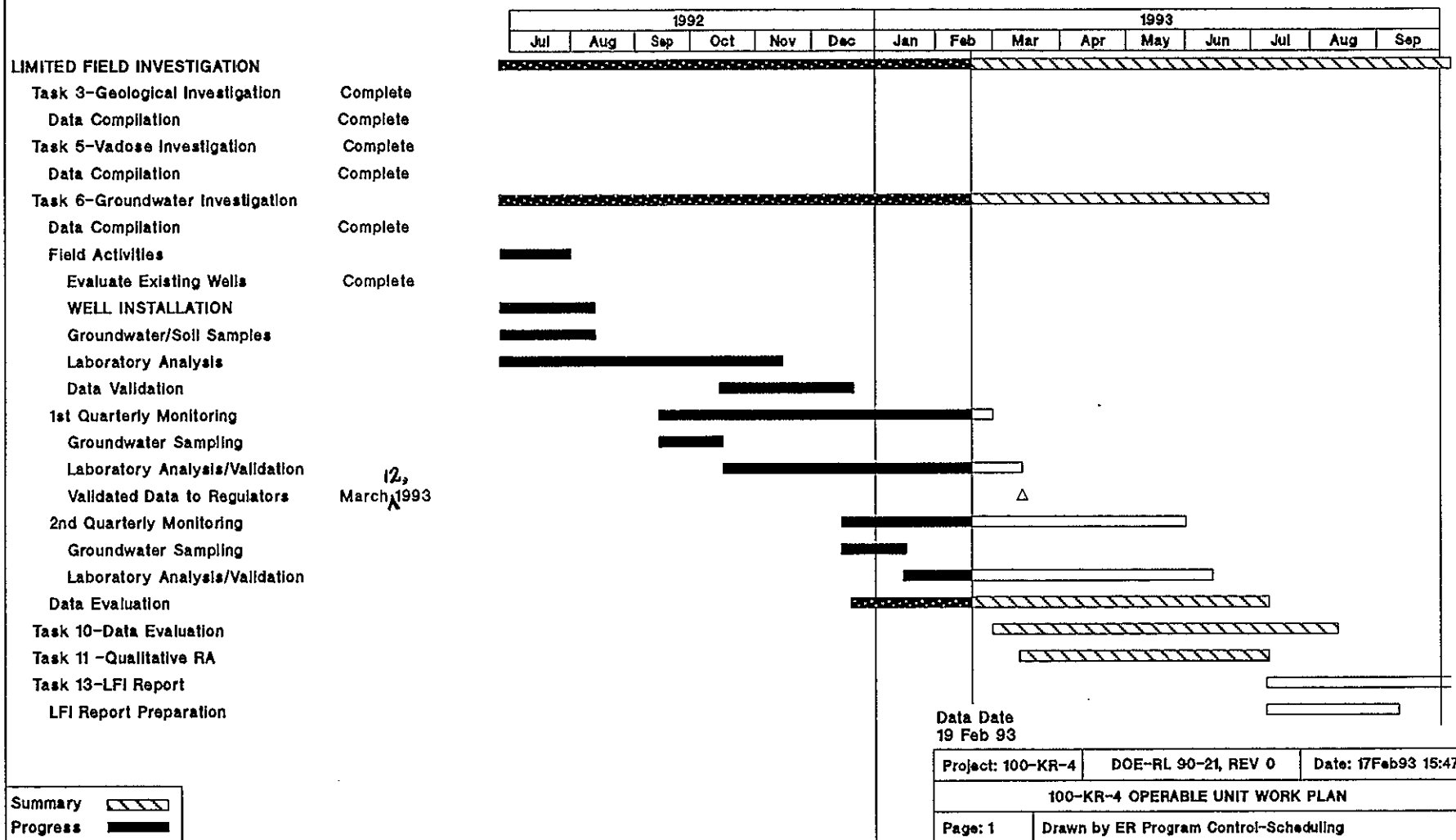
Dec 1992

Data Date
19 Feb 93

Summary Task Progress
 Detail Task Milestone

Project: 100-BC-5	DOE-RL 90-08, REV 0	Date: 17Feb93 10:08
100-BC-5 Operable Unit Work Plan		
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100-KR-4 OPERABLE UNIT



100-FR-3 OPERABLE UNIT

LIMITED FIELD INVESTIGATION

Task 3-Geological Investigation Completed

Data Compilation Completed

Task 5-Vadose Investigation Completed

Data Compilation Completed

Task 6-Groundwater Investigation Completed

Data Compilation Completed

Field Activities

Evaluate Existing Wells

Well Installation

Well F3-1 199-F6-1

Well F3-2 199-F5-42

Well F3-3 199-F5-43A

Well F3-3A 199-F5-43B

Well F3-4 199-F5-44

Well F3-5 199-F1-2

Well F3-6 199-F5-45

Well F3-7 199-F5-48

Well F3-8 199-F5-47

Well F3-9 199-F8-3

Well F3-11 199-F5-46

Well F3-12 199-F7-3

Well F3-13 199-F8-4

Groundwater/Soil Samples

Laboratory Analysis

Data Validation

1st Quarterly Monitoring

Groundwater Sampling

Laboratory Analysis/Validation

Validated Data to Regulators





2nd Quarterly Monitoring

Groundwater Sampling

Laboratory Analysis/Validation

Data Evaluation

Task 10-Data Evaluation

Summary Task  Progress 
 Detail Task  Milestone 

1992						1993								
Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

Data Date
19 Feb 93

Project: 100-FR-3 DOE-RL 91-53, REV 0 Date: 17Feb93 14:09

100-FR-3 OPERABLE UNIT WORK PLAN

Page: 1 Drawn by ER Program Control-Scheduling

100-BC-1 SOURCE OPERABLE UNIT WORK SUMMARY
February 24, 1993

Task 10 - Data Evaluation:

Data evaluation is complete and results are being incorporated into the LFI report.

Task 11 - Qualitative Risk Assessment:

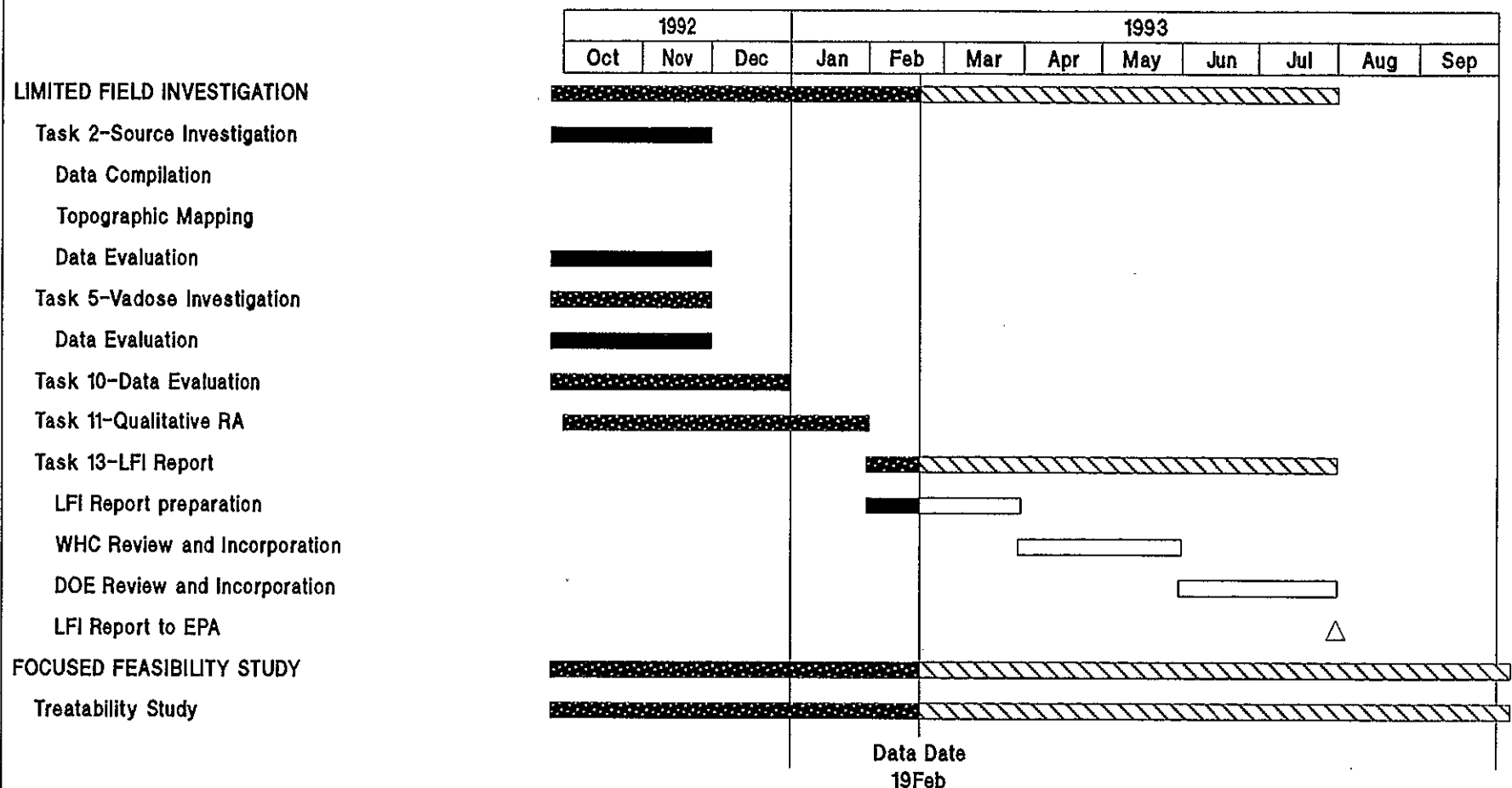
The first draft has been reviewed by WHC and the comments are being incorporated.

Task 13 - Limited Field Investigation (LFI) Report:

Preparation of the LFI report is continuing and on schedule. A draft is due to WHC in March with the DOE draft being submitted at the end of May.

9 3 1 2 0 0 3 1 1 9 8

100-BC-1 OPERABLE UNIT



Summary

Progress

Project: 100-BC-1 DOE-RL 90-07, Rev 0 Date: 17Feb93 15:32

100-BC-1 Operable Unit Work Plan

Page: 1

Drawn by ER Program Control-Scheduling

100-FR-1 OPERABLE UNIT

LIMITED FIELD INVESTIGATION

Task 2-Source Investigation

Data Compilation

Topographic Mapping

Field Activities

Source Sampling

132-F-1 Chronic Feeding Barn

Sample Analysis

Data Validation

Data Evaluation

Task 5-Vadose Investigation

Field Activities

Mobilization

Drilling/Excavation and Sampling

116-F-6 Liquid Waste Disposal Trench

116-F-3 Fuel Storage Test Pit

116-F-1A Lewis Canal

116-F-1B Lewis Canal Test Pit

116-F-1C Lewis Canal Test Pit

116-F-14 Retention Basin

116-F-2 Basin Overflow Trench

108-F French Drain Hand Sample

116-F-8C Animal Waste Trench-BH

116-F-8D Test Pit

116-F-4 Pluto Crib-BH

Sample Analysis

Data Validation

Validated Data to Regulators Nov 1993

Data Evaluation



Task 10-Data Evaluation

Data Date
19 Feb 93

Project: 100-FR-1 DOE-RL 90-33, REV 0 Date: 17Feb93 11:29

100-FR-1 OPERABLE UNIT WORK PLAN

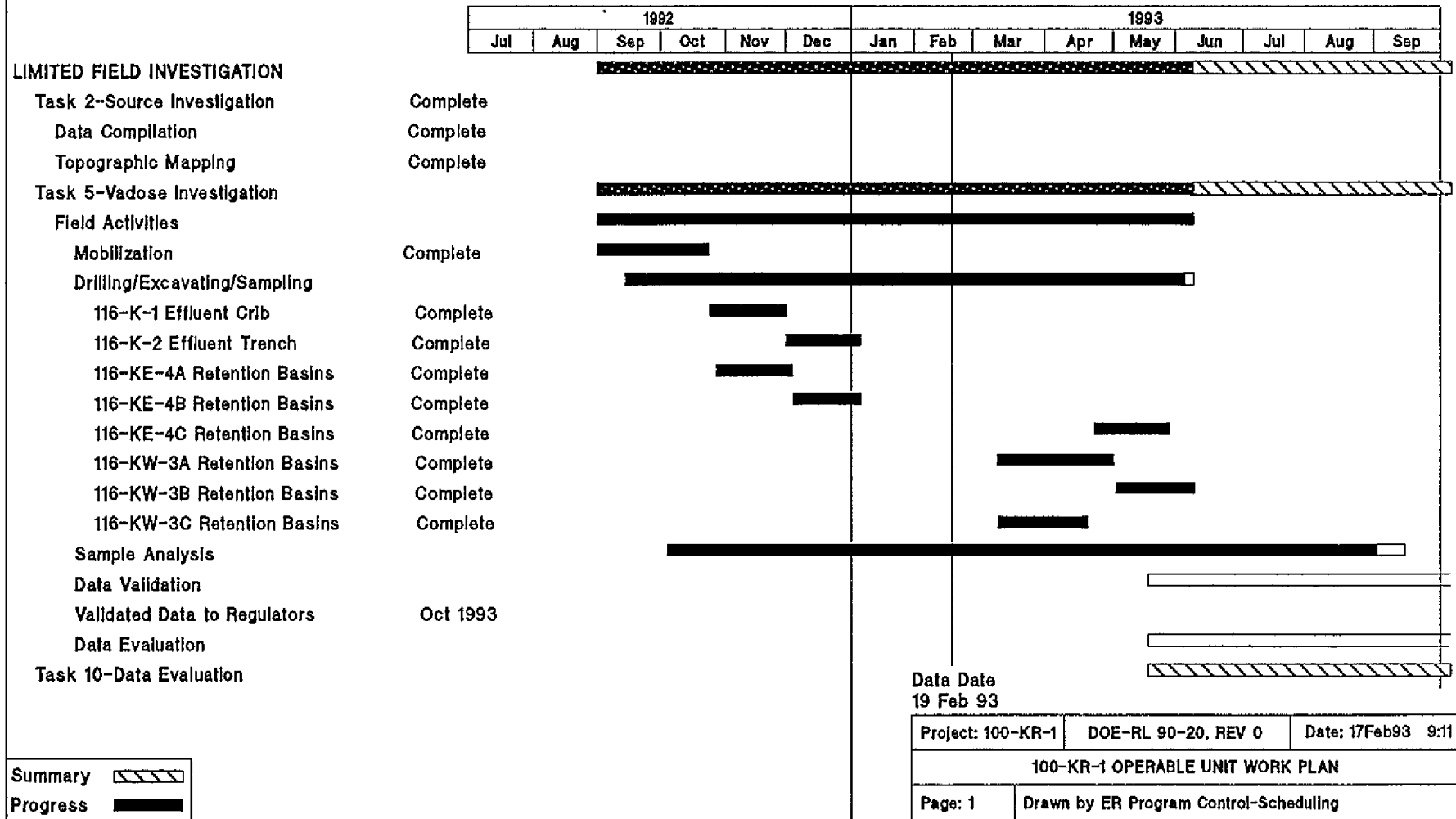
Page: 1 Drawn by ER Program Control-Scheduling

Summary 
Progress 

FEBRUARY 1993 STATUS REPORT
N.M. Naiknimbalkar

- | | | |
|---|------------------------------|-----------------------|
| o | Four Vadose Boreholes | October/November 1992 |
| | 116-K-1 Effluent Crib | Completed |
| | 116-K-2 Effluent Trench | Completed |
| | 116-KE-4A Retention Basin | Completed |
| | 116-KW-3A Retention Basin | Completed |
| o | Four Test Pits | |
| | 116-KE-4B | Completed |
| | 116-KE-4C | Completed |
| | 116-KW-3B | Completed |
| | 116-KW-3C | Completed |
| o | Sample Analysis | March 93 |
| o | Data Validation | May 93 |
| o | Validated Data to Regulators | June 93 |

100-KR-1 OPERABLE UNIT



STATUS OF THE 100 AREA FEASIBILITY STUDY REPORT
DOE/RL-92-11, DRAFT A

February 23, 1993

All comments submitted by EPA and Ecology on Draft A have been addressed by RL. Resolution of the comment responses is pending. The comments have been divided into three general categories, 1) comments concerning ARARs, 2) comments concerning river pipelines, river bottom sediments and saturated shoreline sediments, 3) all other comments.

A meeting was held on Thursday, February 18, 1993 between RL, EPA, Ecology and RL contractors to arrive at a common set of assumptions for river pipelines, river bottom sediments and saturated shoreline sediments to include in the revised 100 Area FS report. Meeting minutes will be generated documenting the assumptions and will also serve as an agreement between the three parties concerning the river issue as part of the FS report.

93031503

AGREEMENT ACTIVITY NOTIFICATION

Page 1 of 1

OPERABLE UNIT 100-BC-1/100-DR-1DATE 1/5/93

TSD _____

OTHER _____

ACTIVITY PERIOD January 1993E. D. Goller

UNIT MANAGER

DOE-RL: E.D. Goller

EPA: D. Faulkner

WA DOE: J. Donnelly
100 Area Lead

ACTIVITIES

SCHEDULED START

Sample test pits for soil
washing treatability studies.
(116-C-1 and 116-D-1B)

1/18/93Eri Goller 1-5-93

EPA/Ecology/DOE representatives that may want to observe any of the listed activities should verify the start date with the Unit Manager. Depending on the activity, location, and the individual's needs relative to observation/participation, the individual may be required to meet the training requirements of Environmental Investigation Instruction 1.7

4031363213.6

Control Number 38	100 NPL Agreement/Change Control Form <input type="checkbox"/> Change <input checked="" type="checkbox"/> Agreement <input type="checkbox"/> Information Operable Unit: <u>Treatability 100-BC-1, 100-DR-1</u>	Date Submitted: 11/16/92 Date Approved:																
Document Number and Title: 100 Area Soil Washing Treatability Test Plan, DOE/RL-92-51, Draft		Date Document Last Issued: To be issued																
Originator: J. G. Field		Phone: 6-3753																
Summary Description: Signatures are for concurrence with the October 26, 1992 meeting minutes; disposition of EPA and Ecology comments to the soil washing treatability test plan. In Draft A of the document, comments will be incorporated as dispositioned.																		
Justification and Impact of Change:																		
<table border="0"> <tr> <td>R. E. Day <u>RE Day</u></td> <td><u>11/17/92</u></td> </tr> <tr> <td>WHC Operable Unit Coordinator</td> <td>Date</td> </tr> <tr> <td>E. D. Goller <u>Em Goller</u></td> <td><u>11-17-92</u></td> </tr> <tr> <td>DOE Unit Manager</td> <td>Date</td> </tr> <tr> <td>R. B. Hibbard <u>RB Hibbard</u></td> <td><u>12/17/92</u></td> </tr> <tr> <td>Ecology Unit Manager</td> <td>Date</td> </tr> <tr> <td>D. A. Faulk <u>DA Faulk</u></td> <td><u>11-24-92</u></td> </tr> <tr> <td>Env. Protection Agency Unit Manager</td> <td>Date</td> </tr> </table>			R. E. Day <u>RE Day</u>	<u>11/17/92</u>	WHC Operable Unit Coordinator	Date	E. D. Goller <u>Em Goller</u>	<u>11-17-92</u>	DOE Unit Manager	Date	R. B. Hibbard <u>RB Hibbard</u>	<u>12/17/92</u>	Ecology Unit Manager	Date	D. A. Faulk <u>DA Faulk</u>	<u>11-24-92</u>	Env. Protection Agency Unit Manager	Date
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Env. Protection Agency Unit Manager	Date																	
Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement Section 9.3																		

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Control Number 42	100 NPL Agreement/Change Control Form <input type="checkbox"/> Change <input checked="" type="checkbox"/> Agreement <input type="checkbox"/> Information Operable Unit: <u>Treatability 100-BC-1, 100-DR-1</u>	Date Submitted: 1/15/93 Date Approved:								
Document Number and Title: 100 Area Test Pit Sampling for Soil Washing Bench-Scale Tests, Description of Work, WHC-SD-EN-AP-118, Rev. 0		Date Document Last Issued: To be issued								
Originator: J. G. Field		Phone: 6-3753								
Summary Description: Signatures are for concurrence with the Description of Work (WHC-SD-EN-AP-118). Concurrence with the description of work constitutes approval to proceed with field sampling as stated in the Description of work, including: excavating a test pit up to 30 ft below grade and backfilling using only soil removed from the pit.										
Justification and Impact of Change:										
<table border="0"> <tr> <td>R. E. Day <u>RE. Day</u> WHC Operable Unit Coordinator</td> <td><u>1/13/93</u> Date</td> </tr> <tr> <td>E. D. Goller <u>ED Goller</u> DOE Unit Manager</td> <td><u>1/14/93</u> Date</td> </tr> <tr> <td>R. B. Hibbard <u>Jeff Phillips For.</u> Ecology Unit Manager</td> <td><u>1/26/93</u> Date</td> </tr> <tr> <td>D. A. Faulk <u>DA Faulk</u> Env. Protection Agency Unit Manager</td> <td><u>1-19-93</u> Date</td> </tr> </table>			R. E. Day <u>RE. Day</u> WHC Operable Unit Coordinator	<u>1/13/93</u> Date	E. D. Goller <u>ED Goller</u> DOE Unit Manager	<u>1/14/93</u> Date	R. B. Hibbard <u>Jeff Phillips For.</u> Ecology Unit Manager	<u>1/26/93</u> Date	D. A. Faulk <u>DA Faulk</u> Env. Protection Agency Unit Manager	<u>1-19-93</u> Date
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D. A. Faulk <u>DA Faulk</u> Env. Protection Agency Unit Manager	<u>1-19-93</u> Date									
Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement Section 9.3										

9001506

Control Number 43	100 NPL Agreement/Change Control Form <input type="checkbox"/> Change <input checked="" type="checkbox"/> Agreement <input type="checkbox"/> Information Operable Unit: <u>116-C-1 Soil Washing Test Pit</u> <u>100-BC-1</u>	Date Submitted: 1/22/93 Date Approved:						
Document Number and Title: 100 Area Soil Washing Treatability Test Plan, DOE/RL-92-51, Draft A		Date Document Last Issued: November, 1992						
Originator: R. E. Day		Phone: 6-7602						
Summary Description: Per EPAs request, a test pit will be excavated closer to the inlet of the 116-C-1 trench. The inlet area will be defined as approximately the first quarter of the trench. The field team leader & project engineer will define the specific location in the field. The contamination levels at both test pits within the 116-C-1 trench will be characterized and compared. The test pit with the broadest range of radionuclides will be the soil chosen for the next step of the testing.								
Justification and Impact of Change: The justification for the change is to obtain soil material closer to the 116-C-1 inlet, as specified in the referenced Test Plan, therefore giving us a greater potential for a broader range of radionuclides and possibly a higher GM count. The impact is that the activity will increase the surface area contamination at the 116-C-1 trench.								
<table border="0"> <tr> <td>R. E. Day <u>RE Day</u> WHC Operable Unit Coordinator</td> <td><u>1/26/93</u> Date</td> </tr> <tr> <td>E. D. Goller <u>ED Goller</u> DOE Unit Manager</td> <td><u>1/26/93</u> Date</td> </tr> <tr> <td>D. A. Faulk <u>[Signature]</u> Env. Protection Agency Unit Manager</td> <td><u>1-26-93</u> Date</td> </tr> </table>			R. E. Day <u>RE Day</u> WHC Operable Unit Coordinator	<u>1/26/93</u> Date	E. D. Goller <u>ED Goller</u> DOE Unit Manager	<u>1/26/93</u> Date	D. A. Faulk <u>[Signature]</u> Env. Protection Agency Unit Manager	<u>1-26-93</u> Date
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D. A. Faulk <u>[Signature]</u> Env. Protection Agency Unit Manager	<u>1-26-93</u> Date							
Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement Section 9.3								

93120401507

DON'T SAY IT --- Write It!

DATE: February 23, 1993

TO: Larry Gadbois, EPA B5-01
Jack Donnelly, Ecology Kennewick

FROM: Eric Goller, DOE-RL *Eric* A5-19
Telephone: 376-7326

cc: Jim Patterson, WHC H6-27
Bob Henckel, WHC H6-02
Alan Krug, WHC H6-02

SUBJECT: UNVALIDATED DATA FROM 100-KR-4 OU LFI ACTIVITIES

Attached are Form 1s reporting unvalidated results of analytical lab analysis of soil samples collected during 100-KR-4 OU monitoring well installation, per your verbal request on 2/23/93 at the 100 Area UMM.

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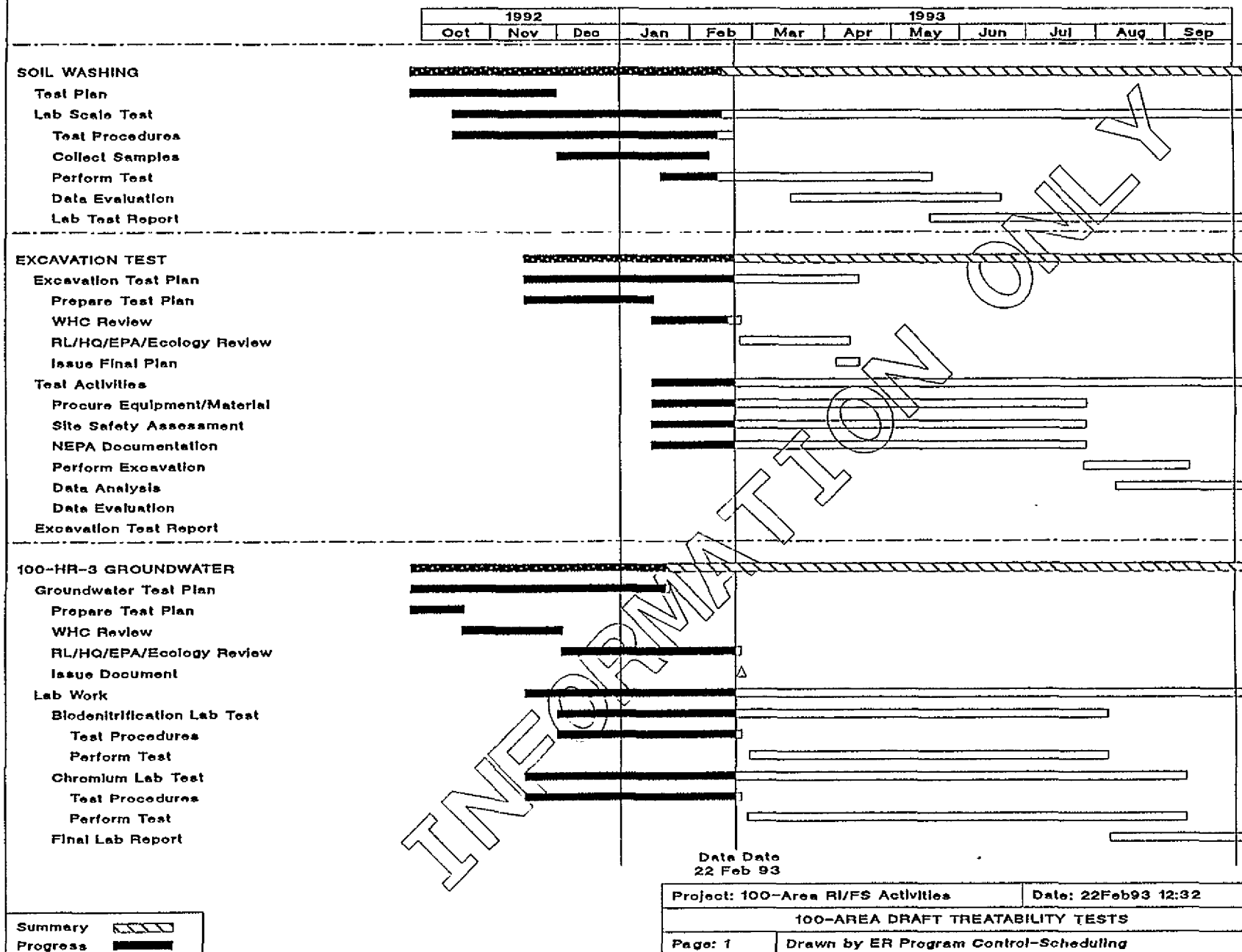
100 AREA STATUS

Feb. 19, 1993

M-30-04 Responses to nearly all of the EPA's comments on the secondary document submitted under this milestone have been prepared. A draft of the responses was presented to EPA at a discussion session held February 9, 1993 at the Richland EPA office. Work is in progress to investigate suggestions contained in the remaining comments.

M-30-05 A meeting was held on February 9, 1993 at the EPA offices in Richland to discuss the various information that might potentially result from data gathering activities referred to in M-30-05. Reasonable consensus was achieved regarding expectations for this milestone. A primary objective is to determine the flux of 100 Areas contaminants to the Columbia River, via groundwater transport. A proposed strategy to meet this objective is being prepared for regulator concurrence. This strategy will be discussed at the February 23, 1993 Unit Managers Meeting.

100-AREA TREATABILITY TESTS



Distribution
Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units
February 23, 1993

Roger D. Freeberg /Julie K. Erickson /Eric Goller DOE-RL, ERD (A5-19)
Mike Thompson DOE-RL, EAP/RPB (A5-19)
Diane Clark DOE-RL, TSD/SSB (A5-55)
Heather Trumble DOE-RL, OTD/FTB (A6-55)
Steve Balone DOE-HQ (EM-442)

Dennis Faulk 100 Aggregate Area Manager, EPA (B5-01)
Ward Staubitz, USGS Support to EPA
Audree DeAngeles, PRC Support to EPA

Jack Donnelly 100 Aggregate Area Manager, WDOE (Kennewick)
Larry Goldstein WDOE (Lacey)

Lynn Albin Washington Dept. of Health

Tom Wintczak, WHC Program Manager (H6-27)
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 Roberta Day, WHC (H6-02)
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 Joan Keller, PNL (K1-21)
 Ben Johnson, PNL (K1-78)

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